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ABSTRACT

This book was written on the premise that learning science should be fun and rewarding. The teacher may use it as the foundation for an extended middle school curriculum spanning more than one year or to supplement an existing curriculum with individual sections or exercises from the book. The activities have been organized and designed in a manner that allows the teacher tremendous flexibility. Each activity provides a clear purpose, step-by-step directions, leads easily to conclusions, and includes a teachers guide that has the following parts: goals, student objectives, prelab discussion, guide to the investigation, vocabulary, and additional resources. The guide contains seven sections: "Measuring Physical Quantities"; "Forces, Work and Energy"; "Heat"; "Electricity"; "Magnetism"; "Waves of Sound and Light"; and "Hands-On Chemistry." (JRH)

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